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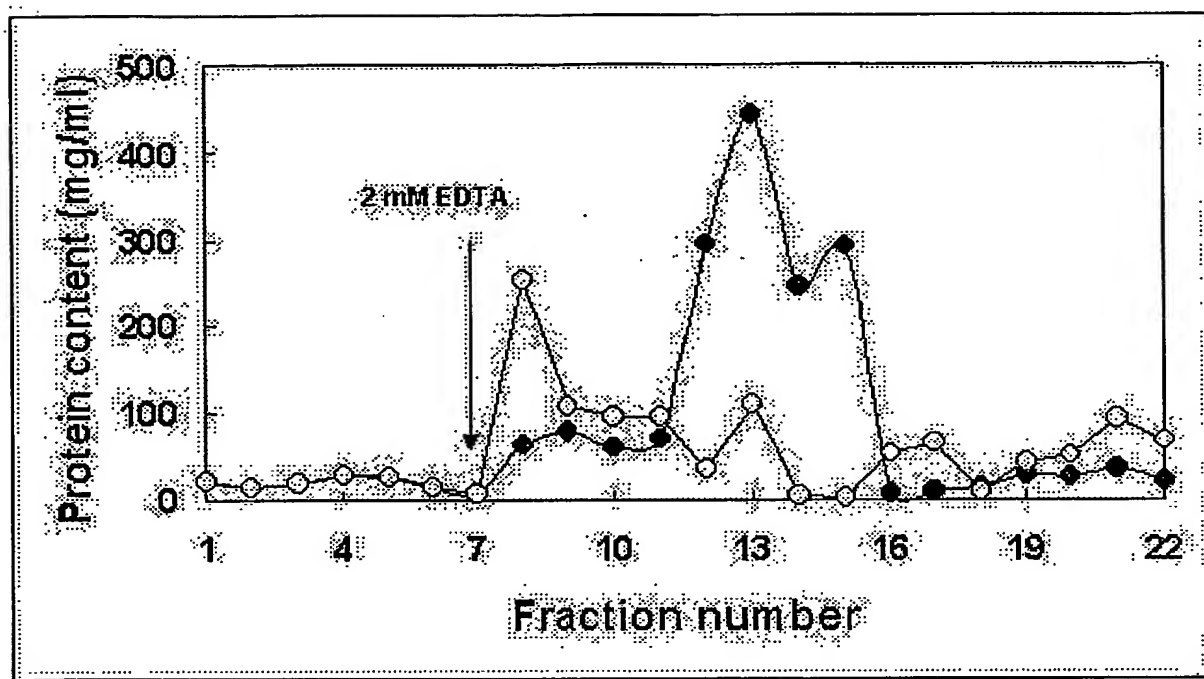
FIG. 1

AtKAPAS	VADHSNDKTVEEAVNVLESRQILSLRPICmsrqneeeivksrANECDGYEVFDglcqw
<i>E. coli</i> BioF	V-SNDEKINAALDARRAADALRRYPV-AQAGRWLVAD
<i>B. subtilis</i> BioF	VKIDSW-LNERLDRMKEAGVHENLRSM-DEAP-TPE
<i>B. sphaericus</i> BioF	V-NDRFRRELQVIEQGLTRKRLF-STENESEVVMN
AtKAPAS	rtsvevsvsptfqqkwlhdepsngEEIfsgdalaecrKGrFKKLIFSSNDVYGLSSHPT
<i>E. coli</i> BioF	DRQYINSSNDVYGLSHPQ
<i>B. subtilis</i> BioF	RNI-DG-ENQTVWSSNVYGLASDRR
<i>B. sphaericus</i> BioF	S-KKLIFSSNVYGLATDSR
AtKAPAS	ISNAANAVKEYGMPKESALICGVITVHRLLESSLAQLKKKDDCVPTSEFAANmaamv
<i>E. coli</i> BioF	IRANQQGAEQFISSESGSHVSESVVHQALEEDAEWLGYSRALFISSEFAAN----
<i>B. subtilis</i> BioF	LIDAAQTALQQFISSESESRITGNSVWHEKLEKKIASFKLTAALFSSGYLAN----
<i>B. sphaericus</i> BioF	LKKKITEGISKVGTGAGESRITGTFDIEQLESSEIADPKATEAAIVSSGYLAN----
AtKAPAS	aiSSVASILaasgkplINEKVIFSDALNHASTIDGVRLAERQgnveVFVVRFCDISNC-
<i>E. coli</i> BioF	-QAVIAAMM-AKEDR-IAADRLSHASLLEAASLSPSQ-LRRFANDVTHLA
<i>B. subtilis</i> BioF	-VSVLSSLP-EKEDV-ILSDALNHASMIDGRLSKAD-TVVVRITDMNDLE
<i>B. sphaericus</i> BioF	-VSVISSVM-HAGDT-IFSDALNHASIDGRLSKAK-TIVVEHADVMLE
AtKAPAS	-M-KRKVVITDSLFSMDGDFAPMEELSRLRKVGFLVVIDDAHGTFCSENGGG
<i>E. coli</i> BioF	-RLASPCPGQOMVTEGVFSMDGDSAPLAEIQVVTQQHNGWLMVDDAHGTGVISEQGRG
<i>B. subtilis</i> BioF	NKLNETQRYQRRTIVTDGVFSMDGTIAPLDQIISLAKRVHAFVVIDDAHGTGVLDSECG
<i>B. sphaericus</i> BioF	RKLQSHGDGLKFIIVTDGVFSMDGDIAPLPKIVELAKRYKAYIMIDDAHGTGVLDNDCG
AtKAPAS	VADFNCEADVDCVGTLSKAAEGGGFIACSKKKWQLIQSRGRSFESTATVPMAAAA
<i>E. coli</i> BioF	SWLQKVKE-ELVWIFGKGFEVSSAAVLESSTVADYLLQFARHLIYSTSMPPAQAAAL
<i>B. subtilis</i> BioF	TSEYFGVCP-DIVISTLSKAVGAEGGFAGSAVFIDFLLNHARTFIEQTATPPASCAAA
<i>B. sphaericus</i> BioF	TADYFGLKDEIDFTVGTLSKALGAEGGFVSTSSIAKNVLLNNARSFIEQTALSPSAIEAA
AtKAPAS	YAAVVVARKEIW-RRKAIWERVKEF-KELSGV-DISSPIISLVVGNQEKALKASR
<i>E. coli</i> BioF	RASLAVIRSDGDAERREKLAALITRFRAGVQDIPFTLADSCSAIQPLIVGNSRALQLAE
<i>B. subtilis</i> BioF	HEAFNIIASR-E-KRQLLSFYISMIRTSLNMGYVVKGDHTPIIPVVIDAHKTVLFAE
<i>B. sphaericus</i> BioF	REGISIIQNEP-E-RRKQLLKNQAVLRKLLESGFVMEKETPIISLIIGSHEAMQFSA
AtKAPAS	VLLKSEFHVMAIRPPTVPPNSCLRVILSAHITTEDVKKLITALLSSclafDNTATHIPsf
<i>E. coli</i> BioF	KLRQGSCHVTAIRPPTVPAGTARLRILTAAHEMQDIDRLLEVING-NG-----NG-----
<i>B. subtilis</i> BioF	KLQKGSIYAPAIRPPTVAPGESRIILITSDHSMGDIDHLLQTFHS-----IGKELHTI--
<i>B. sphaericus</i> BioF	KLLDESVFIPAIRPPTVPRKSSRLRIIVMATHITIEQLDMVLSKIKK-----IGKEMGIV--
AtKAPAS	lfpkI
<i>E. coli</i> BioF	----
<i>B. subtilis</i> BioF	----
<i>B. sphaericus</i> BioF	----

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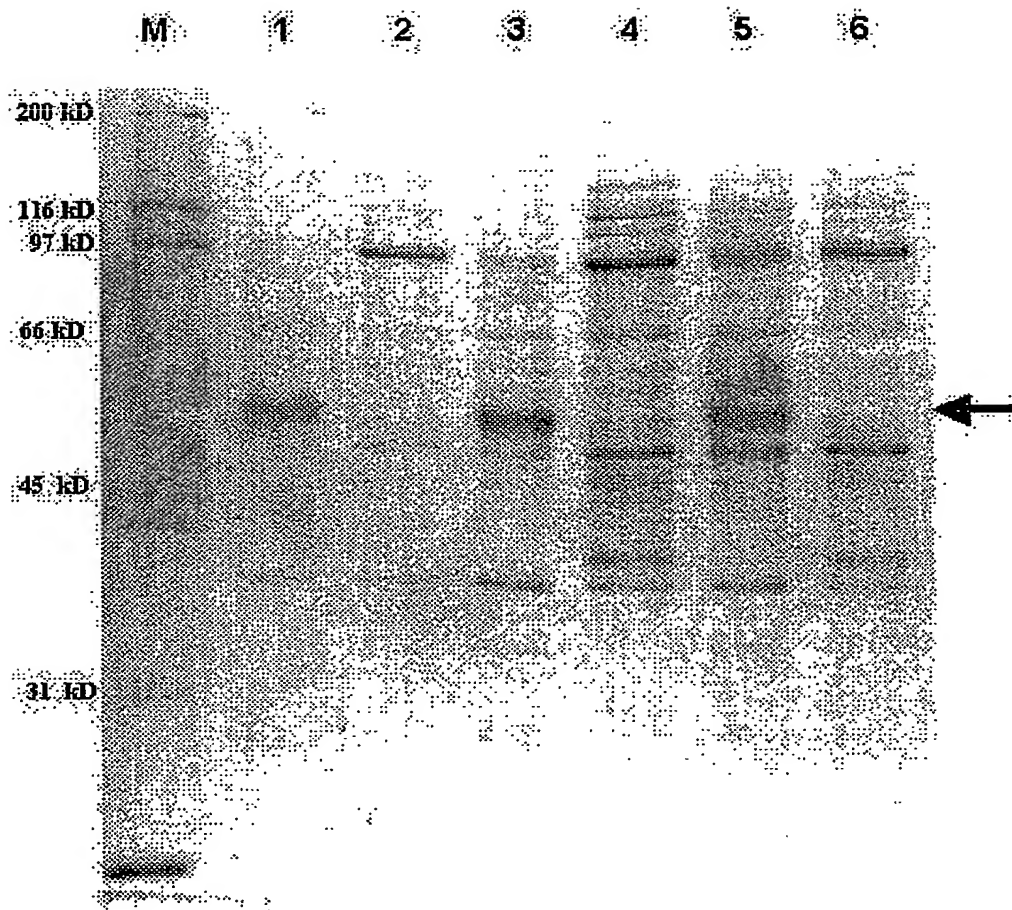
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FIG. 2



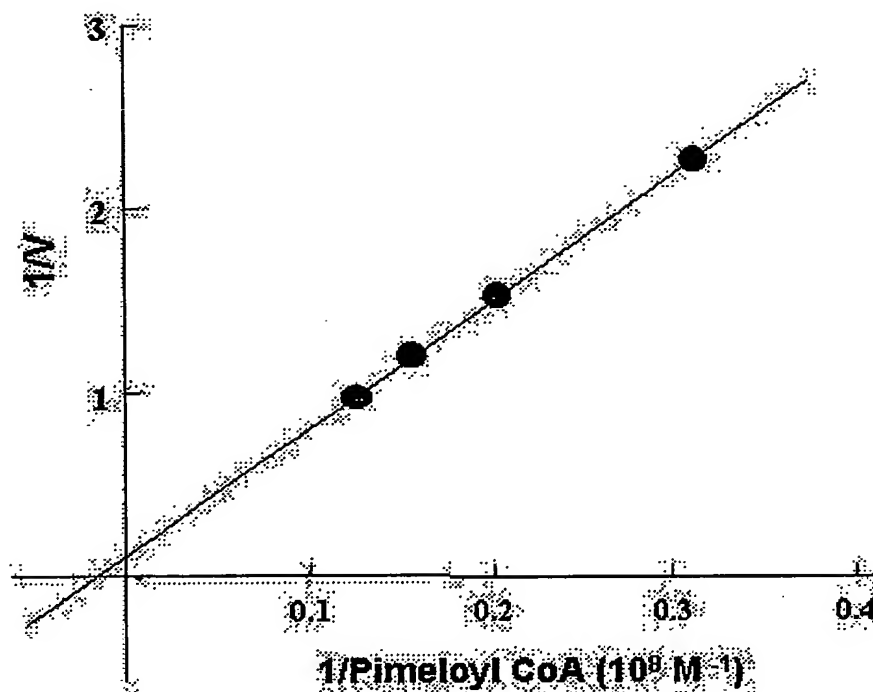
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FIG. 3



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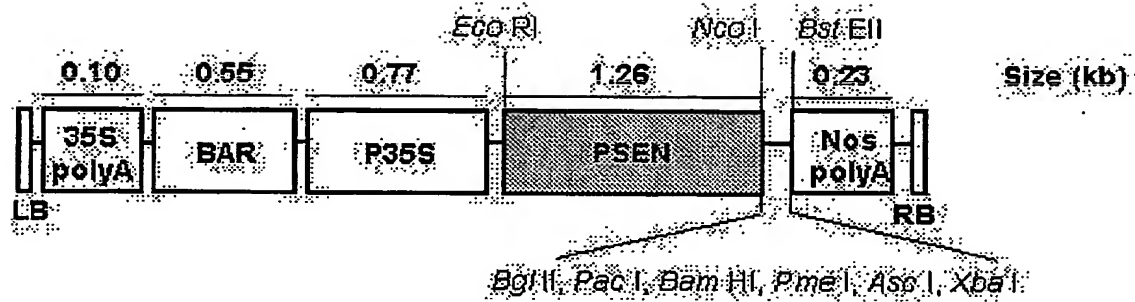
FIG. 4



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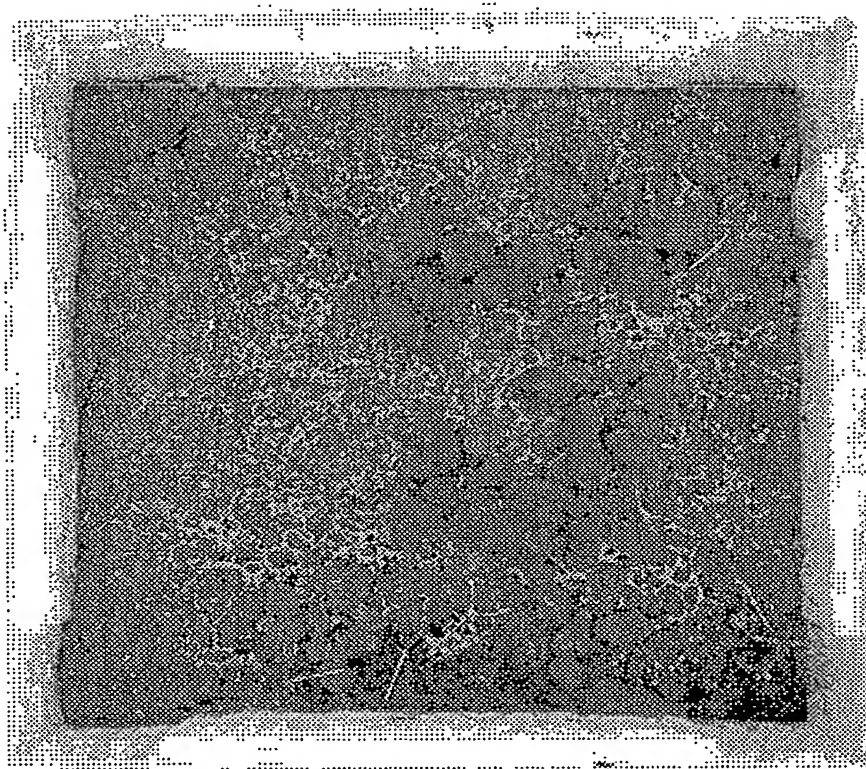
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FIG. 5



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FIG. 6A



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FIG. 6B

